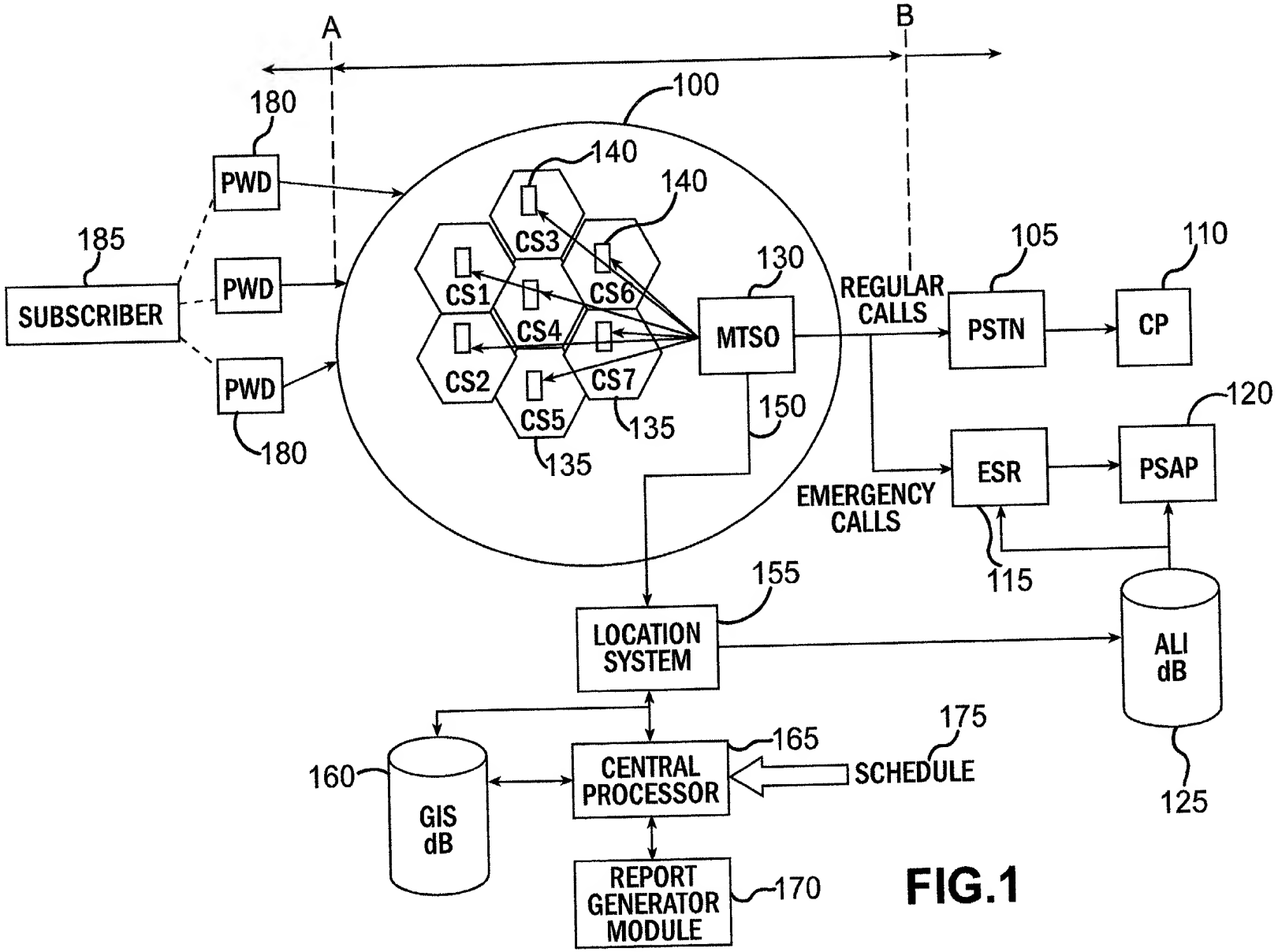

A
B
100
180
PWD
PWD
PWD
180
185
SUBSCRIBER
140
140
CS3
CS1
CS6
CS4
CS2
CS7
CS5
135
135
130
MTSO
150
105
110
REGULAR CALLS
PSTN
CP
120
ESR
PSAP
EMERGENCY CALLS
115
155
LOCATION SYSTEM
ALI dB
125
175
SCHEDULE
165
CENTRAL PROCESSOR
160
GIS dB
REPORT GENERATOR MODULE
170

FIG.1

PO6F20 2E9FT60

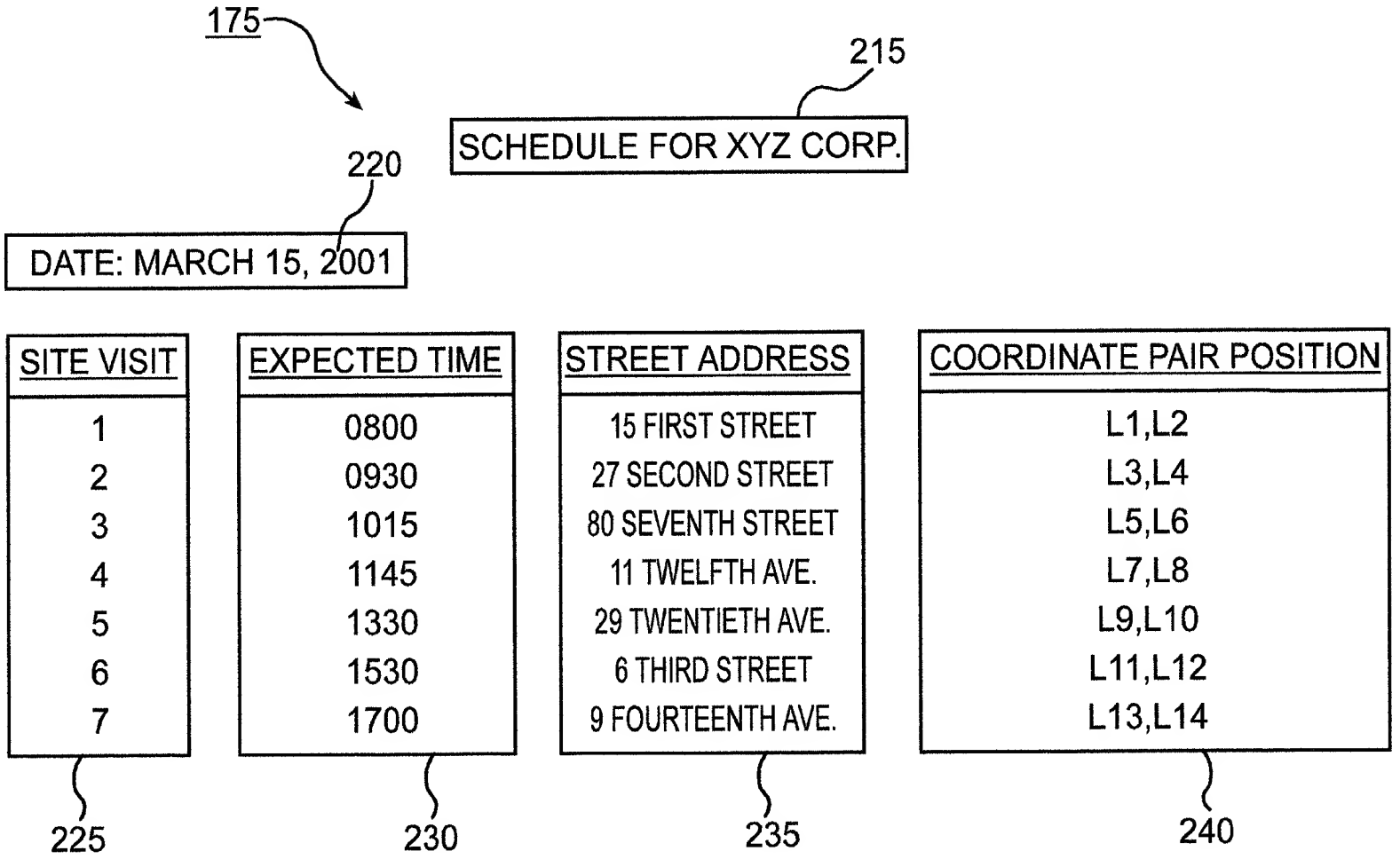
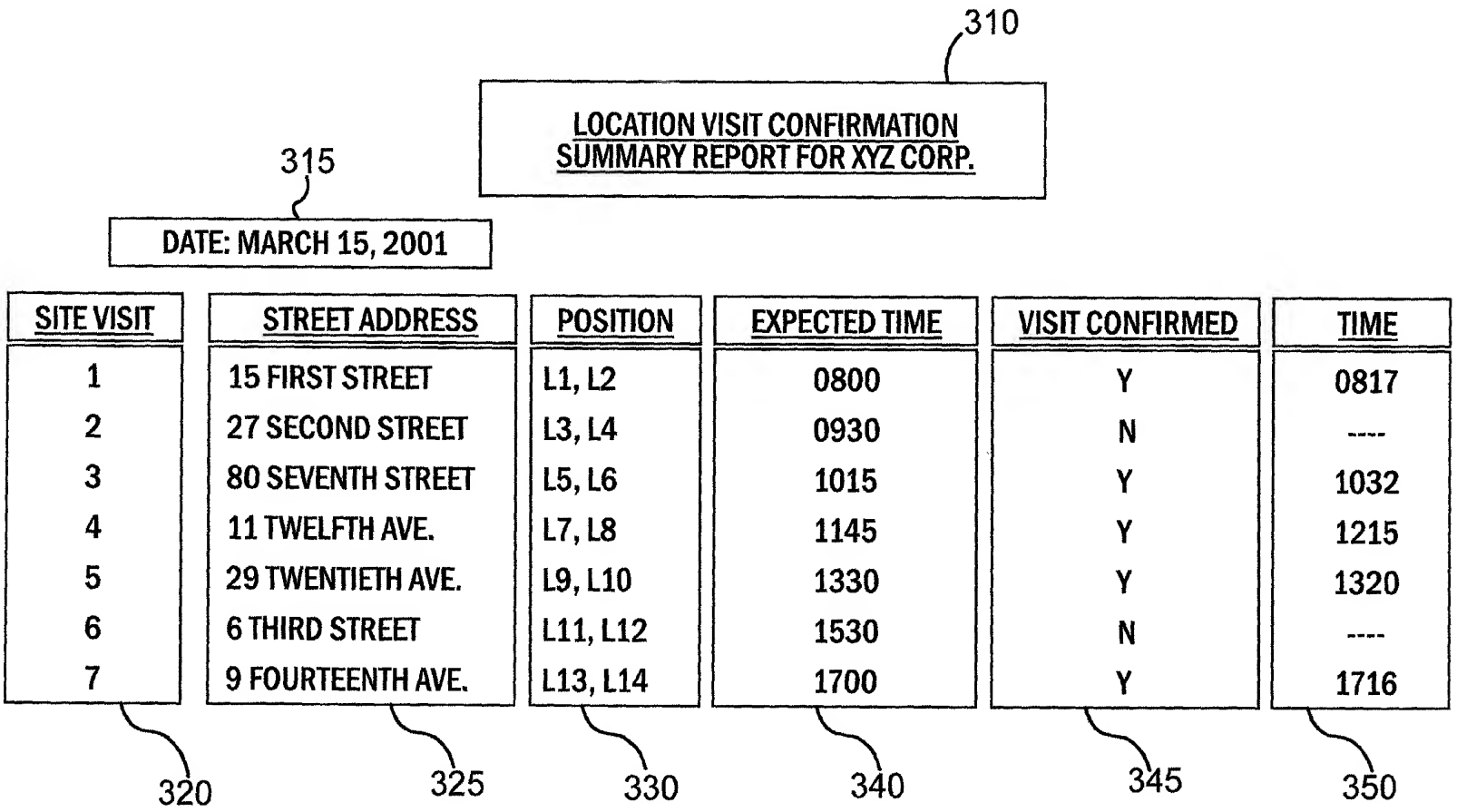


FIG.2

70870 2597860



SITE VISIT	STREET ADDRESS	POSITION	EXPECTED TIME	VISIT CONFIRMED	TIME
1	15 FIRST STREET	L1, L2	0800	Y	0817
2	27 SECOND STREET	L3, L4	0930	N	----
3	80 SEVENTH STREET	L5, L6	1015	Y	1032
4	11 TWELFTH AVE.	L7, L8	1145	Y	1215
5	29 TWENTIETH AVE.	L9, L10	1330	Y	1320
6	6 THIRD STREET	L11, L12	1530	N	----
7	9 FOURTEENTH AVE.	L13, L14	1700	Y	1716

FIG.3

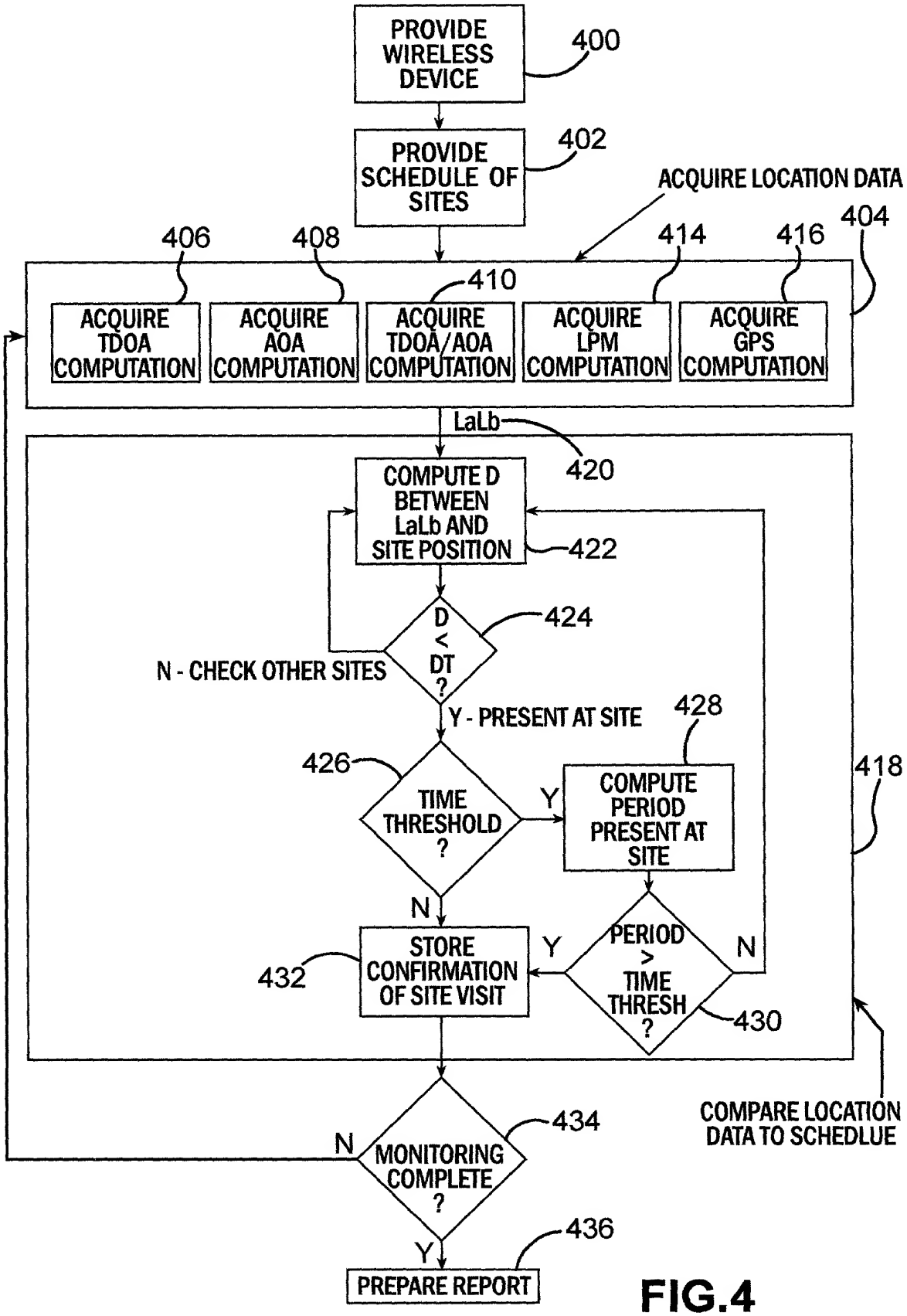

PROVIDE WIRELESS DEVICE
400
PROVIDE SCHEDULE OF SITES
402
ACQUIRE LOCATION DATA
404
406
408
410
414
416
ACQUIRE TDOA COMPUTATION
ACQUIRE AOA COMPUTATION
ACQUIRE TDOA/AOA COMPUTATION
ACQUIRE LPM COMPUTATION
ACQUIRE GPS COMPUTATION
LaLb
420
COMPUTE D BETWEEN LaLb AND SITE POSITION
422
D < DT ?
424
N - CHECK OTHER SITES
Y - PRESENT AT SITE
428
426
TIME THRESHOLD ?
Y
COMPUTE PERIOD PRESENT AT SITE
418
N
PERIOD > TIME THRESH ?
Y
N
430
STORE CONFIRMATION OF SITE VISIT
432
COMPARE LOCATION DATA TO SCHEDLUE
MONITORING COMPLETE ?
434
N
Y
436
PREPARE REPORT

FIG.4

T06T20" 2E9TT860

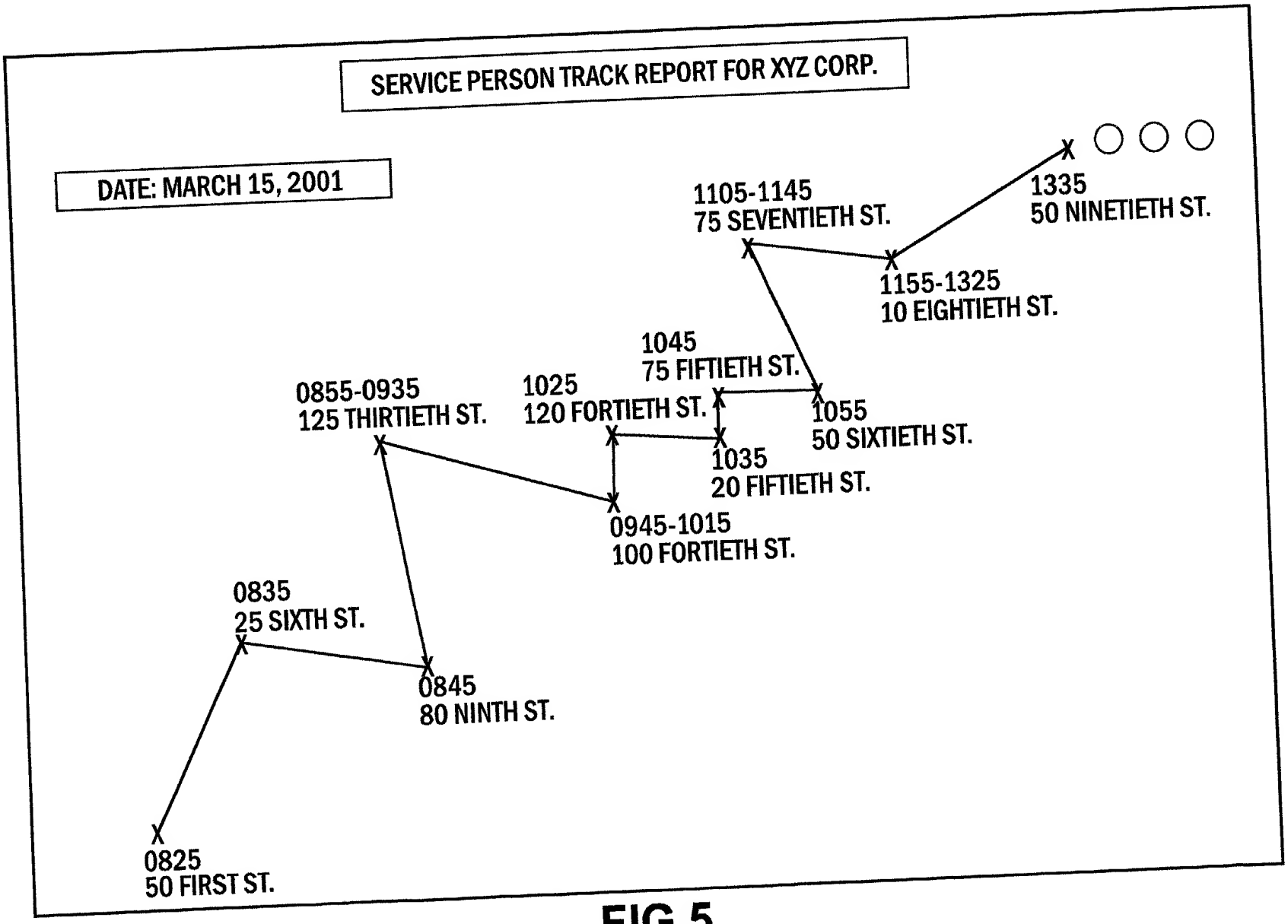


FIG.5

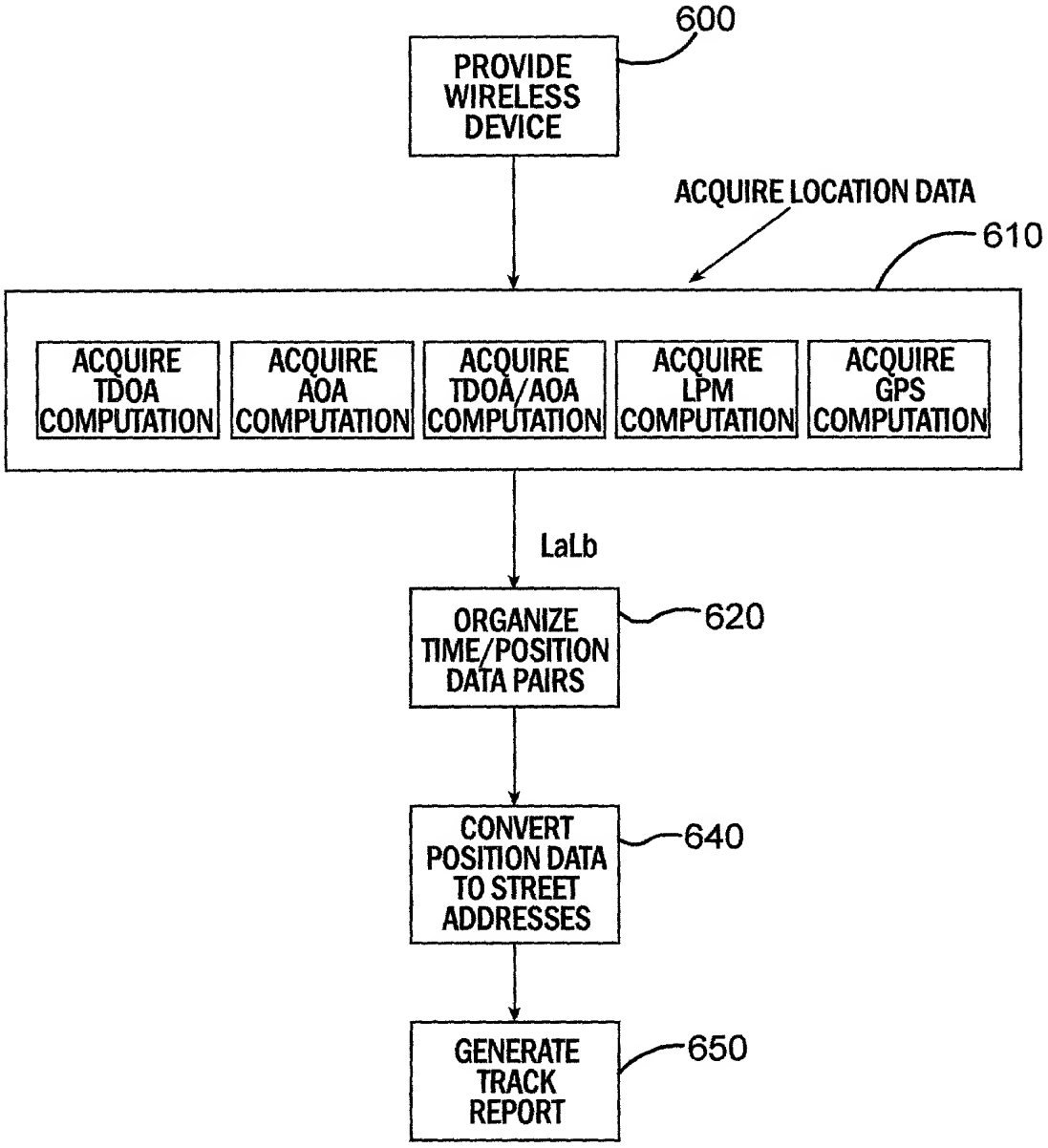

600
PROVIDE WIRELESS DEVICE
ACQUIRE LOCATION DATA
610
ACQUIRE TDOA COMPUTATION
ACQUIRE AOA COMPUTATION
ACQUIRE TDOA/AOA COMPUTATION
ACQUIRE LPM COMPUTATION
ACQUIRE GPS COMPUTATION
LaLb
ORGANIZE TIME/POSITION DATA PAIRS
620
CONVERT POSITION DATA TO STREET ADDRESSES
640
GENERATE TRACK REPORT
650

FIG.6